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(54) LIQUID CRYSTAL OPTICAL DEVICE

(75) Inventors: Shiro Suyama, Tokyo; Munekazu Date, Sayama; Shigeto Kohda, Chofu; Kinya Kato, Iruma; Shigenobu Sakai, Tama, all of (JP)

(73) Assignee: Nippon Telegraph and Telephone Corporation, Tokyo (JP)

154(a)(2).

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(51)	Int. Cl. ⁷	
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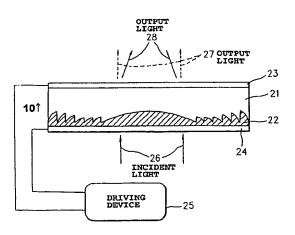
Primary Examiner—Steven Saras
Assistant Examiner—Amr Awad
(74) Attorney, Agent, or Firm—Venable; Robert J. Frank

(57) ABSTRACT

An optical device includes a transparent layer having a desired curved surface configuration, a layer including a variable refractive index material having a dielectric constant anisotropy, at least two transparent electrodes arranged to sandwich the transparent material layer and the variable refractive index material, and a driving device supplying a voltage including driving frequencies f1 and f2 between the transparent electrodes. The difference $\Delta \in$ in the dielectric constant of the variable refractive index material due to the anisotropy is positive at one of the driving frequencies and negative at the driving frequency.

20 Claims, 67 Drawing Sheets

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